

PATENT ABSTRACTS OF JAPAN

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SAWAKI IPPEI**(54) **COORDINATE DETECTOR**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a miniaturized high-reliability coordinate detector of simple configuration with no scan mechanism by arranging detectors having light emitting parts and light receiving parts more than two pairs at prescribed interval.

SOLUTION: Light emitting detectors 2 and 3 are fixedly installed at two adjacent corners k_1 and k_2 on a coordinate input plane 1 of a rectangular planar plate. Light is emitted from these two light emitting detectors 2 and 3 onto the coordinate input plane 1. A user instructs any arbitrary position on the coordinate input plane 1 while using a position instructing stick, namely, a pen 5. At such a time, the light emitting detectors 2 and 3 calculate the position coordinate of the pen 2 by detecting the light, which is reflected on the pen 5 and returned to the light emitting detectors 2 and 3, among the beams emitted from the light emitting detectors 2 and 3. The light emitting detectors 2 and 3 are installed toward the coordinate input plane 1 so that both the light emitting optical axis of light emitted from light emitting parts 2-1 and 3-1 and the light receiving optical axis of light receiving angle detecting parts 2-2 and 3-2 can be turned toward a reference point 4 on the coordinate input plane 1.

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